

Title (en)

BLENDER APPARATUS WITH SAFETY INTERLOCK SYSTEM

Title (de)

MISCHGERÄT MIT SICHERHEITSVERRIEGELUNGSSYSTEM

Title (fr)

APPAREIL MÉLANGEUR COMPORTANT UN SYSTÈME DE VERROUILLAGE DE SÉCURITÉ

Publication

EP 4025331 A1 20220713 (EN)

Application

EP 20860489 A 20200330

Priority

- US 201962897077 P 20190906
- US 2020025701 W 20200330

Abstract (en)

[origin: WO2021043312A1] A blending device (100) is provided including a blade assembly (106) having a blade coupling structure, the blade coupling structure comprising a set of blade electrical connectors (128). The blending device also includes a blender base assembly (104) having a base coupling structure, the base coupling structure comprising a plurality of base electrical connector coupler sets (130A-130C). Each base electrical connector coupler set corresponds with a coupling position of the blade coupling structure and the base coupling structure. The blade assembly and the blender base assembly are electrically coupled in a closed configuration in which the set of blade electrical connectors is in contact with one of the plurality of base electrical connector coupler sets. A method of manufacturing the blending device is also provided.

IPC 8 full level

A47J 43/04 (2006.01); **H01H 3/22** (2006.01)

CPC (source: EP US)

A47J 43/046 (2013.01 - EP US); **A47J 43/0716** (2013.01 - EP US); **A47J 43/0722** (2013.01 - US); **A47J 43/0761** (2013.01 - EP US); **A47J 43/0766** (2013.01 - EP US); **B01F 27/808** (2022.01 - EP US); **B01F 27/88** (2022.01 - EP US); **B01F 35/165** (2022.01 - EP US); **B01F 35/2115** (2022.01 - US); **B01F 35/31** (2022.01 - EP US); **B01F 35/6052** (2022.01 - EP US); **B01F 35/3213** (2022.01 - US); **B01F 2101/1805** (2022.01 - US); **H01H 3/16** (2013.01 - EP)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2021043312 A1 20210311; CN 114765965 A 20220719; CN 114765965 B 20240719; EP 4025331 A1 20220713; EP 4025331 A4 20231108; US 11272812 B2 20220315; US 11471844 B2 20221018; US 2021353103 A1 20211118; US 2021354100 A1 20211118; US 2022039600 A1 20220210; WO 2021045802 A1 20210311

DOCDB simple family (application)

CN 2020113845 W 20200907; CN 202080073382 A 20200330; EP 20860489 A 20200330; US 2020025701 W 20200330; US 202017292314 A 20200907; US 202017292327 A 20200330; US 202117508889 A 20211022